

Commonwealth Edison, Docket 01-0423  
Percent Increase to Non-Qualify Customers  
Due to Absorption of the Increase in the High Voltage Credit  
Ratcheted Demands

Line No.	Description	100-400 KW	400-800 KW	1 -3 MW	3- 6 MW	6- 10 MW	>10 MW
1	Customers Qualifying for Discount	1	3	3	6	7	32
2	Customers Not Qualifying for Discount	16,964	3,782	1,398	301	74	53
3	Ratcheted Demands, Customers that Qualify (kW)	1,790	17,320	65,308	371,956	657,631	13,371,570
4	Ratcheted Demands, Customers that do not Qualify (kW)	38,867,840	25,366,646	28,086,490	15,514,298	6,953,560	13,813,581
5	Proposed Customer Charge	\$ 62.61	\$ 72.94	\$ 278.67	\$ 298.86	\$ 325.42	\$ 450.88
6	Proposed Standard Metering Charge	\$ 0.78	\$ 0.98	\$ 0.98	\$ 0.98	\$ 0.98	\$ 1.97
7	Proposed Distribution Facilities Charge	\$ 3.45	\$ 3.49	\$ 3.66	\$ 3.57	\$ 3.49	\$ 3.05
8	HVDS Credit	\$ (2.65)	\$ (2.65)	\$ (2.65)	\$ (2.65)	\$ (2.65)	\$ (2.65)
9	Customer Charge Revenue	\$ 12,746,144	\$ 3,312,935	\$ 4,685,000	\$ 1,101,000	\$ 316,308	\$ 459,898
10	Standard Metering Charge Revenue	158,792	44,512	16,476	3,610	953	2,009
11	Distribution Facilities Charge	134,100,224	88,590,041	103,035,581	56,713,927	26,563,057	82,914,711
12	HVDS Credit	(4,744)	(45,898)	(173,066)	(985,683)	(1,742,722)	(35,434,661)
13	Total Revenue	\$ 147,000,416	\$ 91,901,590	\$ 107,563,990	\$ 56,832,854	\$ 25,137,595	\$ 47,941,957
14	With Elimination of the Increased Discount						
15	Revised Distribution Facilities Charge	\$ 3.45	\$ 3.49	\$ 3.65	\$ 3.51	\$ 3.27	\$ 1.80
15	HVDS Credit held at Rider 11 Levels(ComEd Exh32, p19)	\$ .10138/KW	\$ .10138/KW	\$ .10138/KW	\$ .10138/KW	\$ .10138/KW	\$ .10138/KW
16	Customer Charge Revenue	\$ 12,746,144	\$ 3,312,935	\$ 4,685,000	\$ 1,101,000	\$ 316,308	\$ 459,898
17	Standard Metering Charge Revenue	158,792	44,512	16,476	3,610	953	2,009
18	Distribution Facilities Charge	134,095,661	88,545,899	102,869,135	55,765,952	24,887,005	48,835,660
19	HVDS Credit	(181)	(1,756)	(6,621)	(37,709)	(66,671)	(1,355,610)
20	Total Revenue	\$ 147,000,416	\$ 91,901,590	\$ 107,563,990	\$ 56,832,854	\$ 25,137,595	\$ 47,941,957
	Percent Increase attributable to increase in HVDS Credit for <69KV customers						
	<b>Without HVDS Increase</b>						
21	Customer Charge	\$ 12,745,392	\$ 3,310,309	\$ 4,674,968	\$ 1,079,482	\$ 288,973	\$ 286,760
22	Standard Metering Charge	158,783	44,476	16,440	3,540	870	1,253
23	Distribution Facilities Charge	134,089,486	88,485,483	102,630,494	54,460,265	22,736,689	24,814,846
24	<b>Total Revenue without HVDS Increase</b>	\$ 146,993,662	\$ 91,840,268	\$ 107,321,903	\$ 55,543,287	\$ 23,026,532	\$ 25,102,859
	<b>With HVDS Increase</b>						
25	Customer Charge	\$ 12,745,392	\$ 3,310,309	\$ 4,674,968	\$ 1,079,482	\$ 288,973	\$ 286,760
26	Standard Metering Charge	158,783	44,476	16,440	3,540	870	1,253
27	Distribution Facilities Charge	134,094,048	88,529,595	102,796,553	55,386,044	24,267,924	42,131,422
28	<b>Total Revenue with HVDS Increase</b>	\$ 146,998,224	\$ 91,884,380	\$ 107,487,962	\$ 56,469,066	\$ 24,557,768	\$ 42,419,435
29	Increase	\$ 4,562	\$ 44,112	\$ 166,059	\$ 925,779	\$ 1,531,235	\$ 17,316,576
30	Percent Increase	<b>0.00%</b>	<b>0.05%</b>	<b>0.15%</b>	<b>1.67%</b>	<b>6.65%</b>	<b>68.98%</b>

Note: Information taken from the response to IIEC 3.093 and ComEd Exhibit 13.3.

Commonwealth Edison, Docket 01-0423  
Percent Increase to Non-Qualifying Customers  
Due to Absorption of the Increase in the High Voltage Credit  
Monthly Demands

Line No.	Description	100-400 KW	400-800 KW	1 -3 MW	3- 6 MW	6- 10 MW	>10 MW
1	Customers Qualifying for Discount	1	3	3	6	7	32
2	Customers Not Qualifying for Discount	16,964	3,782	1,398	301	74	53
3	Non-ratcheted Demands, Customers that Qualify (kW)	429	12,770	36,223	180,332	367,786	10,224,419
4	Non-ratcheted Demands, Customers that do not Qualify (kW)	28,494,232	19,038,553	22,384,760	12,346,201	5,428,188	9,984,179
5	Proposed Customer Charge	\$ 61.87	\$ 74.26	\$ 275.28	\$ 293.77	\$ 315.52	\$ 373.29
6	Proposed Standard Metering Charge	\$ 0.78	\$ 0.98	\$ 0.98	\$ 0.98	\$ 0.98	\$ 1.97
7	Proposed Distribution Facilities Charge	\$ 4.71	\$ 4.64	\$ 4.59	\$ 4.49	\$ 4.45	\$ 3.70
8	HVDS Credit	\$ (2.65)	\$ (2.65)	\$ (2.65)	\$ (2.65)	\$ (2.65)	\$ (2.65)
9	Customer Charge Revenue	\$ 12,595,495	\$ 3,372,889	\$ 4,628,007	\$ 1,082,249	\$ 306,685	\$ 380,756
10	Standard Metering Charge Revenue	158,792	44,512	16,476	3,610	953	2,009
11	Distribution Facilities Charge	134,209,853	88,398,139	102,912,312	56,244,133	25,792,084	74,771,813
12	HVDS Credit	(1,137)	(33,841)	(95,991)	(477,880)	(974,633)	(27,094,710)
13	Total Revenue	\$ 146,963,003	\$ 91,781,699	\$ 107,460,804	\$ 56,852,112	\$ 25,125,089	\$ 48,059,867
14	With Elimination of the Increased Discount						
15	Revised Distribution Facilities Charge	\$ 4.71	\$ 4.64	\$ 4.59	\$ 4.45	\$ 4.29	\$ 2.41
15	HVDS Credit held at Rider 11 Levels(ComEd Exh32, p19)	.10138/KW	.10138/KW	.10138/KW	.10138/KW	.10138/KW	.10138/KW
16	Customer Charge Revenue	\$ 12,595,495	\$ 3,372,889	\$ 4,628,007	\$ 1,082,249	\$ 306,685	\$ 380,756
17	Standard Metering Charge Revenue	158,792	44,512	16,476	3,610	953	2,009
18	Distribution Facilities Charge	134,208,760	88,365,593	102,819,993	55,784,535	24,854,738	48,713,654
19	HVDS Credit	(43)	(1,295)	(3,672)	(18,282)	(37,286)	(1,036,552)
20	Total Revenue	\$ 146,963,003	\$ 91,781,699	\$ 107,460,804	\$ 56,852,112	\$ 25,125,089	\$ 48,059,867
	Percent Increase attributable to increase in HVDS Credit for <69KV customers						
	<b>Without HVDS Increase</b>						
21	Customer Charge	\$ 12,594,752	\$ 3,370,216	\$ 4,618,097	\$ 1,061,097	\$ 280,182	\$ 237,412
22	Standard Metering Charge	158,783	44,476	16,440	3,540	870	1,253
23	Distribution Facilities Charge	134,206,739	88,306,362	102,653,879	54,981,461	23,277,570	24,067,273
24	<b>Total Revenue without HVDS Increase</b>	\$ 146,960,275	\$ 91,721,054	\$ 107,288,417	\$ 56,046,098	\$ 23,558,622	\$ 24,305,938
	<b>With HVDS Increase</b>						
25	Customer Charge	\$ 12,594,752	\$ 3,370,216	\$ 4,618,097	\$ 1,061,097	\$ 280,182	\$ 237,412
26	Standard Metering Charge	158,783	44,476	16,440	3,540	870	1,253
27	Distribution Facilities Charge	134,207,833	88,338,886	102,746,048	55,434,442	24,155,437	36,941,462
28	<b>Total Revenue with HVDS Increase</b>	\$ 146,961,368	\$ 91,753,578	\$ 107,380,586	\$ 56,499,079	\$ 24,436,489	\$ 37,180,128
29	Increase	\$ 1,093	\$ 32,524	\$ 92,170	\$ 452,981	\$ 877,867	\$ 12,874,190
30	Percent Increase	0.00%	0.04%	0.09%	0.81%	3.73%	52.97%

Note: Information taken from the responses to IIEC 3.093 and ARES 2.34.

Commonwealth Edison, ICC Docket 01-0423  
Revised HVDS Credit Calculations  
to Recognize CP Cost Allocation on TDC's  
Under Proposed Rate Design

(a)	(b)	(c)	(d)	(e)
	Marginal Cost Associated with TDC's [1]			
1	Coincident System Peak	1336.7	MW	
2	Marginal Distribution Cost (\$/KW)-CP Portion	\$ 14.30		
3	Annual Distribution Capacity Cost-TDC's	\$ 19,114,810.00		
	Allocation of Embedded Cost Study [2]	Marginal Cost	Alloc %	Embedded Cost
4	Total Revenue for >10 MW class	\$ 59,962,495.00	2.68%	\$ 47,945,607.46
5	Revenue assigned to Customer & Metering	\$ 375,110.00		\$ 462,359.00
6	TDC's	\$ 19,114,810.00	0.86%	\$ 15,284,073.44
7	Other Distribution	\$ 40,472,575.00	1.81%	\$ 32,199,175.03
8	Total Revenue for System	\$ 2,234,848,726.00		\$ 1,786,970,001.00
9	Total Billing Units	27,185,151		
10	>69 kV Billing Units	13,371,570		
11	< 69 kV Billing Units	13,813,581		
	Unit Rate Calculations	<69 kV		> 69 kV
12	TDC's[3]	\$ 1.107		\$ -
13	Other Distribution	\$ 1.184		\$ 1.184
14	Total Unit Rate	\$ 2.291		\$ 1.184
	Revenue Check:			
15	Customer Charges	1,021	\$ 450.88	\$ 460,348.48
16	Standard Metering Service Charge	1,021	\$ 1.97	\$ 2,011.37
17	Distribution Charge	27,185,151	\$ 2.291	\$ 62,278,462.43
18	HVDS Credit	13,371,570	\$ (1.107)	\$ (14,795,642.21)
19	Total Revenue			\$ 47,945,180.07

- [1] ComEd Exhibit 13.1, page 10 of 48. The Coincident Peak investment cost used in Exhibit 13.2 is the cost of TDC's from Exhibit 13.2, page 29.
- [2] Recalculation of ComEd Exhibit 13.3, page 3 of 4, over 10,000 KW class splitting out the revenue requirements associated with TDC's and other distribution investment.
- [3] Column (e), Line 6 divided by Column (c), Line 21.
- [4] Column (e), Line 7 divided by column (c), Line 19.

Commonwealth Edison, ICC Docket 01-0423  
Revised HVDS Credit Calculations  
to Recognize CP Cost Allocation on TDC's  
Under Monthly Demand Rate Design

(a)	(b)	(c)	(d)	(e)
	Marginal Cost Associated with TDC's [1]			
1	Coincident System Peak	1336.7	MW	
2	Marginal Distribution Cost (\$/KW)	14.3		
3	Annual Distribution Capacity Cost-TDC's	\$ 19,114,810.00		
	Allocation of Embedded Cost Study [2]	Marginal Cost	Alloc %	Embedded Cost
4	Total Revenue for >10 MW class	\$ 60,098,097.00	2.69%	\$ 48,058,904.12
5	Revenue assigned to Customer & Metering	\$ 375,110.00		\$ 383,140.00
6	TDC's	\$ 19,114,810.00	0.86%	\$ 15,285,622.46
7	Other Distribution	\$ 40,608,177.00	1.82%	\$ 32,390,141.67
8	Total Revenue	\$ 2,234,622,246.00		\$ 1,786,969,998.00
9	Total Billing Units	20,208,598		
10	>69 kV Billing Units	10,224,419		
11	< 69 kV Billing Units	9,984,179		
	Unit Rate Calculations	<69 kV		> 69 kV
12	TDC's[3]	\$ 1.530		\$ -
13	Other Distribution	\$ 1.600		\$ 1.600
14	Total Unit Rate	\$ 3.130		\$ 1.600
	Revenue Check:			
15	Customer Charges	1,021	\$ 440.00	\$ 449,240.00
16	Standard Metering Service Charge	1,021	\$ 1.97	\$ 2,011.37
17	Distribution Charge	20,208,598	\$ 3.130	\$ 63,252,911.74
18	HVDS Credit	10,224,419	\$ (1.530)	\$ (15,643,361.07)
19	Total Revenue			\$ 48,060,802.04

- [1] ComEd Exhibit 13.1, page 10 of 48. The Coincident Peak investment cost is the cost of TDC's from Exhibit 13.2, page 29.
- [2] Recalculation of the response to ARES 2.34, over 10,000 KW class splitting out the revenue requirements associated with TDC's and other distribution investment.
- [3] Column (e), Line 6 divided by Column (c), Line 21.
- [4] Column (e), Line 7 divided by column (c), Line 19.

Commonwealth Edison, Docket 01-0423  
Recalculation of Impact on Non-Qualifying Customers  
from Absorption of Revised HVDS Credits

Line	Description	>10 MW With Ratchet	>10 MW Without Ratchet
1	Customers Qualifying for Discount	32	32
2	Customers Not Qualifying for Discount	53	53
3	Demands, Customers that Qualify	13,371,570	10,224,419
4	Demands, Customers that do not Qualify	13,813,581	9,984,179
5	Proposed Customer Charge	\$ 450.88	\$ 440.00
6	Proposed Standard Metering Charge	\$ 1.97	\$ 1.97
7	Proposed Distribution Facilities Charge	\$ 2.29	\$ 3.13
8	HVDS Credit	\$ (1.11)	\$ (1.53)
9	Customer Charge Revenue	\$ 459,898	\$ 448,800
10	Standard Metering Charge Revenue	2,009	2,009
11	Distribution Facilities Charge	62,281,181	63,252,912
12	HVDS Credit	(14,802,328)	(15,643,361)
13	Total Revenue	\$ 47,940,760	\$ 48,060,360
With Elimination of the Increased Discount			
14	Revised Distribution Facilities Charge	\$ 1.80	\$ 2.41
15	HVDS Credit held at Rider 11 Levels(ComEd Exh32, p19)	\$ .10138/KW	\$ .10138/KW
16	Customer Charge Revenue	\$ 459,898	\$ 448,800
17	Standard Metering Charge Revenue	2,009	2,009
18	Distribution Facilities Charge	48,834,463	48,646,102
19	HVDS Credit	(1,355,610)	(1,036,552)
20	Total Revenue	\$ 47,940,760	\$ 48,060,360
Percent Increase attributable to increase in HVDS Credit for <69KV customers			
<b>Without HVDS Increase</b>			
21	Customer Charge	\$ 286,760	\$ 279,840
22	Standard Metering Charge	1,253	1,253
23	Distribution Facilities Charge	24,814,238	24,033,898
24	<b>Total Revenue without HVDS Increase</b>	\$ 25,102,251	\$ 24,314,991
<b>With HVDS Increase</b>			
25	Customer Charge	\$ 286,760	\$ 279,840
26	Standard Metering Charge	1,253	1,253
27	Distribution Facilities Charge	31,646,914	31,250,480
28	<b>Total Revenue with HVDS Increase</b>	\$ 31,934,927	\$ 31,531,573
29	Increase	\$ 6,832,676	\$ 7,216,582
30	Percent Increase	27.22%	29.68%

Commonwealth Edison, ICC Docket 01-0423  
Revised HVDS Credit Calculations  
to Recognize CP Cost Allocation on TDC's  
with Phase-In

Line No. (a)	Description (b)	Billing Determinants (c)	Rate (d)	Revenue (e)
	<u>Phase-In HVDS Credit, Ratcheted Demand</u>			
1	Customer Charges	1,021	\$ 450.88	\$ 460,348.48
2	Standard Metering Service Charge	1,021	\$ 1.97	2,011.37
3	Distribution Charge	27,185,151	\$ 2.022	54,968,375.32
4	HVDS Credit	13,371,570	\$ (0.560)	(7,488,079.20)
5	Total Revenue			<u>\$ 47,942,655.97</u>
	 <u>Phase-In HVDS Credit, Monthly Demand</u>			
6	Customer Charges	1,021	\$ 370.00	\$ 377,770.00
7	Standard Metering Service Charge	1,021	\$ 1.97	2,011.37
8	Distribution Charge	20,208,598	\$ 2.75	55,573,644.50
9	HVDS Credit	10,224,419	\$ (0.77)	(7,872,802.63)
10	Total Revenue			<u>\$ 48,080,623.24</u>

Commonwealth Edison, Docket 01-0423  
Recalculation of Impact on Non-Qualifying Customers  
from Absorption of Revised HVDS Credits  
With Phase-in of Credit

Line	Description	>10 MW With Ratchet	>10 MW Without Ratchet
1	Customers Qualifying for Discount	32	32
2	Customers Not Qualifying for Discount	53	53
3	Demands, Customers that Qualify	13,371,570	10,224,419
4	Demands, Customers that do not Qualify	13,813,581	9,984,179
5	Proposed Customer Charge	\$ 450.88	\$ 370.00
6	Proposed Standard Metering Charge	\$ 1.97	\$ 1.97
7	Proposed Distribution Facilities Charge	\$ 2.02	\$ 2.75
8	HVDS Credit	\$ (0.56)	\$ (0.77)
9	Customer Charge Revenue	\$ 459,898	\$ 377,400
10	Standard Metering Charge Revenue	2,009	2,009
11	Distribution Facilities Charge	54,968,375	55,573,645
12	HVDS Credit	<u>(7,488,079)</u>	<u>(7,872,803)</u>
13	Total Revenue	\$ 47,942,203	\$ 48,080,251
With Elimination of the Increased Discount			
14	Revised Distribution Facilities Charge	\$ 1.80	\$ 2.41
15	HVDS Credit held at Rider 11 Levels(ComEd Exh32, p19)	\$.10138/KW	.10138/KW
16	Customer Charge Revenue	\$ 459,898	\$ 377,400
17	Standard Metering Charge Revenue	2,009	2,009
18	Distribution Facilities Charge	48,835,906	48,737,393
19	HVDS Credit	<u>(1,355,610)</u>	<u>(1,036,552)</u>
20	Total Revenue	\$ 47,942,203	\$ 48,080,251
Percent Increase attributable to increase in HVDS Credit for <69KV customers			
<b>Without HVDS Increase</b>			
21	Customer Charge	\$ 286,760	\$ 235,320
22	Standard Metering Charge	1,253	1,253
23	Distribution Facilities Charge	24,814,971	24,079,001
24	<b>Total Revenue without HVDS Increase</b>	\$ 25,102,984	\$ 24,315,574
<b>With HVDS Increase</b>			
25	Customer Charge	\$ 286,760	\$ 235,320
26	Standard Metering Charge	1,253	1,253
27	Distribution Facilities Charge	27,931,061	27,456,492
28	<b>Total Revenue with HVDS Increase</b>	\$ 28,219,073	\$ 27,693,065
29	Increase	\$ 3,116,089	\$ 3,377,491
30	Percent Increase	<b>12.41%</b>	<b>13.89%</b>